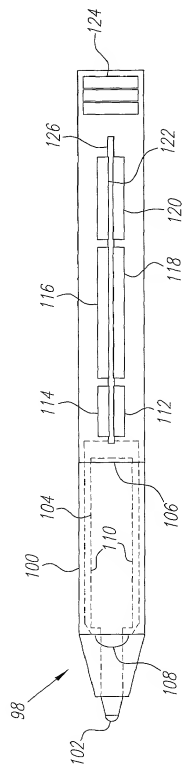
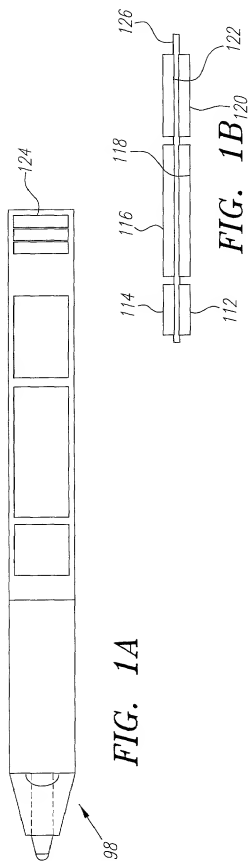


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02/18

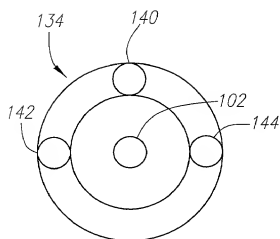


FIG. 1E

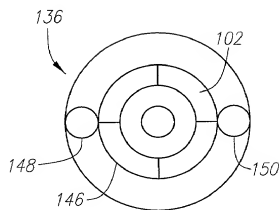


FIG. 1F

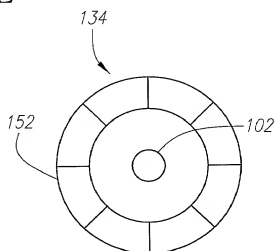


FIG. 1G

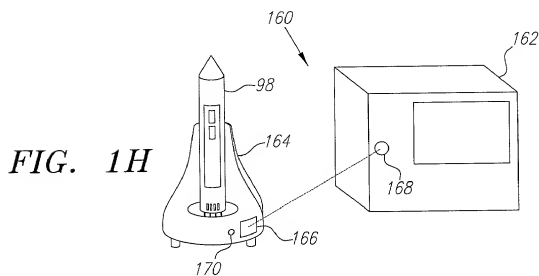


FIG. 1H

66755763.010564

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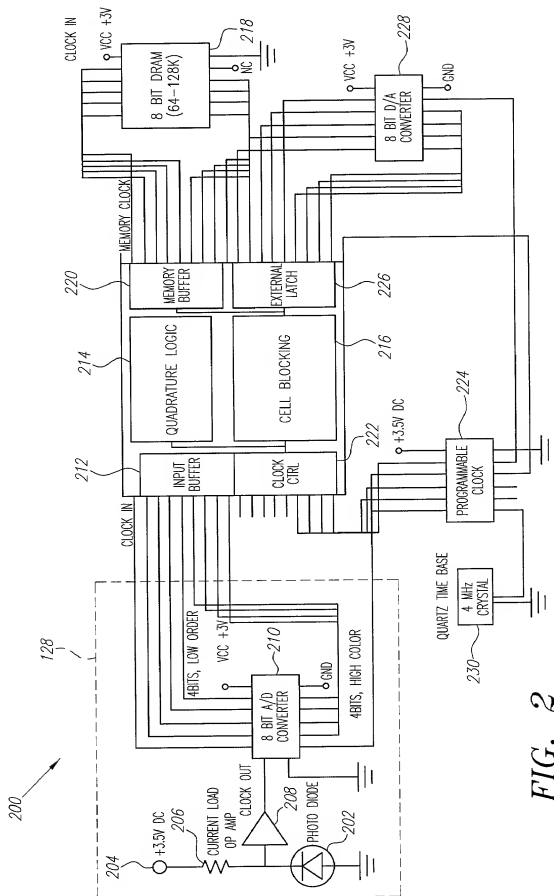


FIG. 2

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7

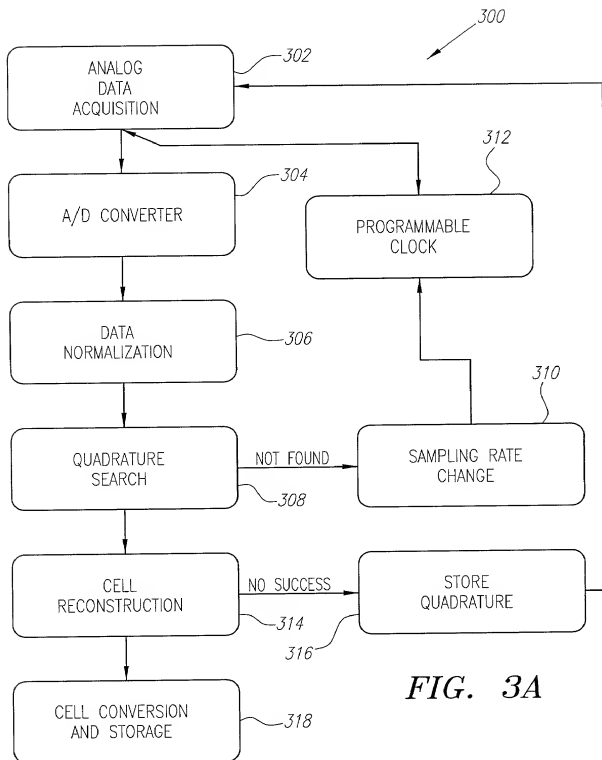


FIG. 3A

L

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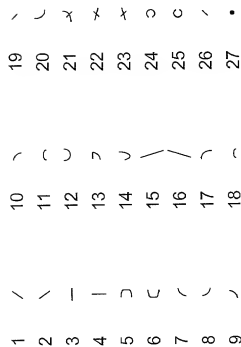


FIG. 3B

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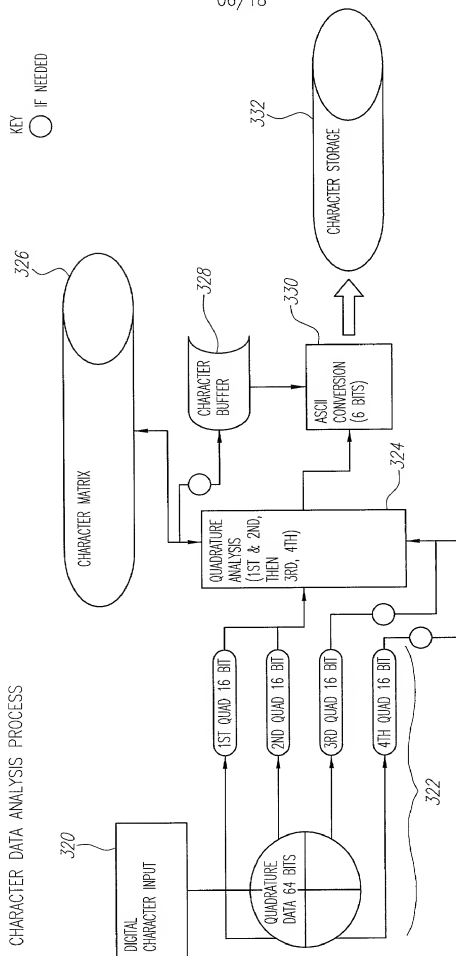


FIG. 3C

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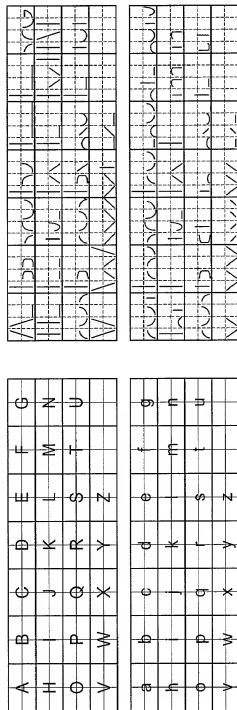


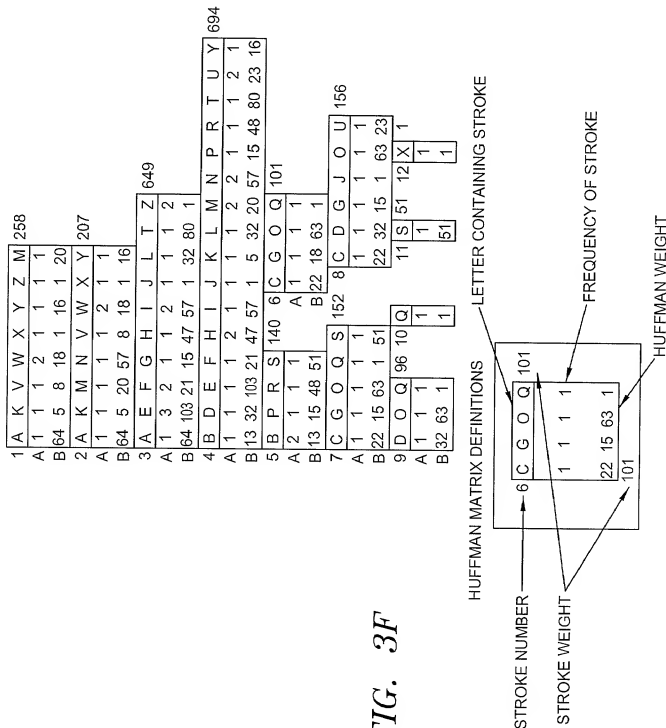
FIG. 3E

FIG. 3D

POSITIVE 29455460

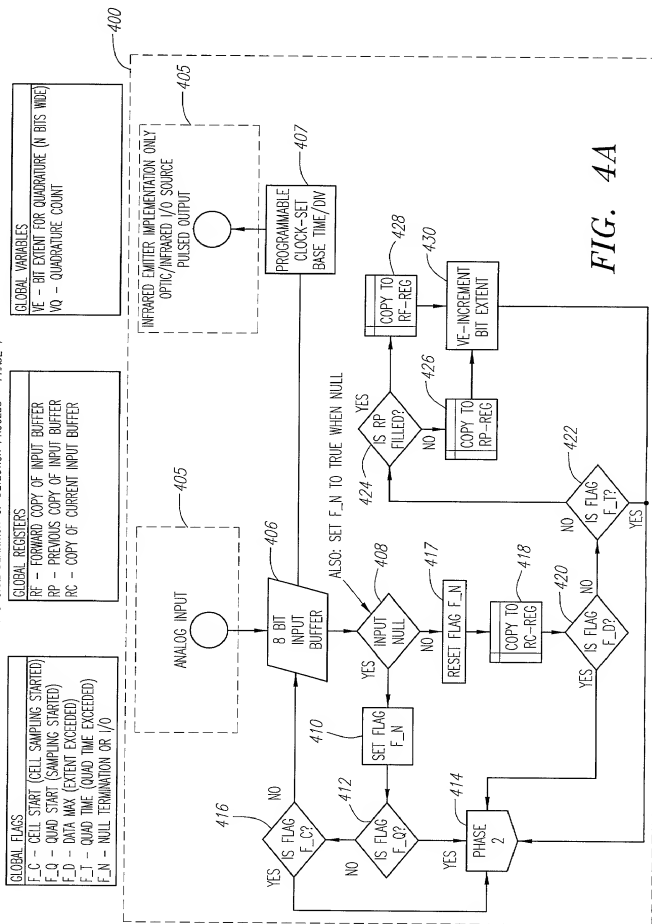
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FIG. 3F

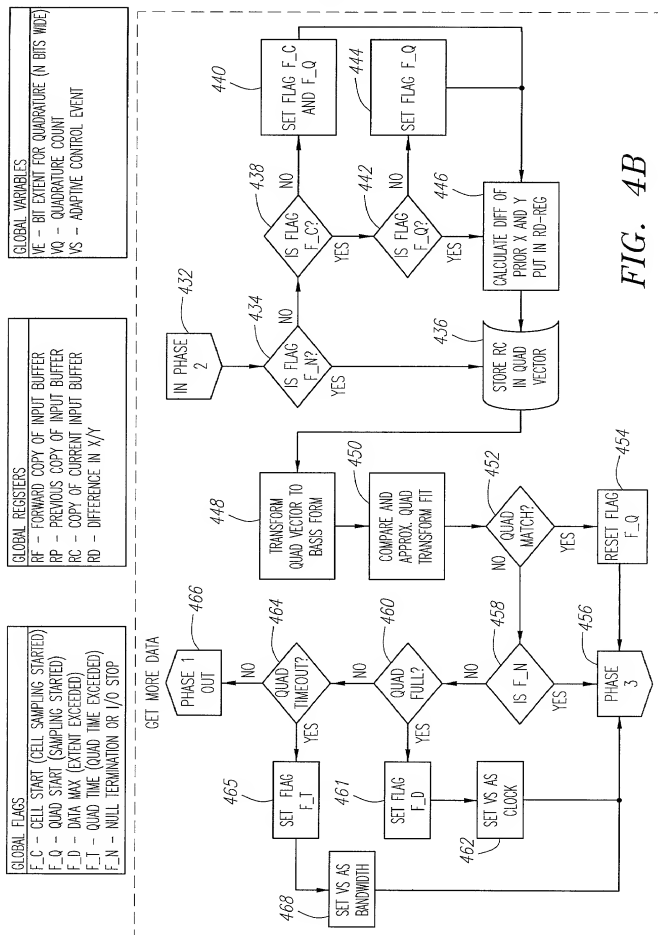


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FUNCTIONAL DEFINITION OF DETECTION PROCESS - PHASE 1



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FUNCTIONAL DEFINITION OF CELL BLOCKING - PHASE 3

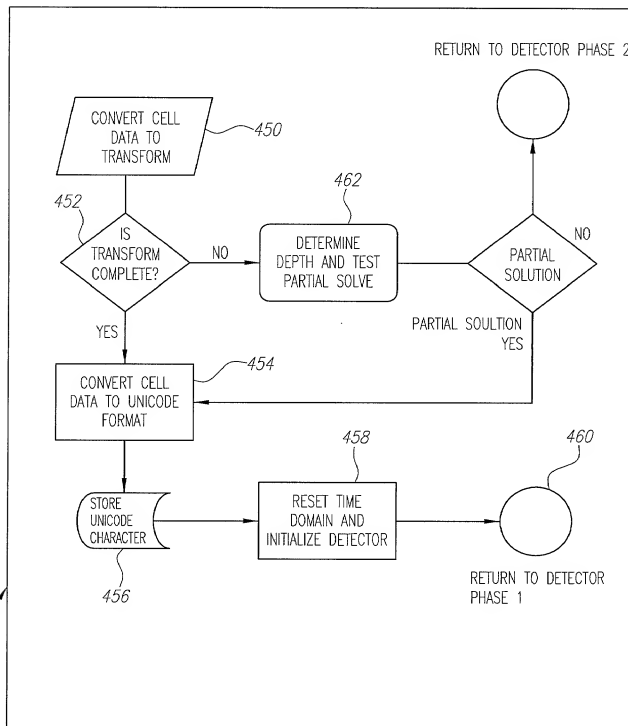


FIG. 4C

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7

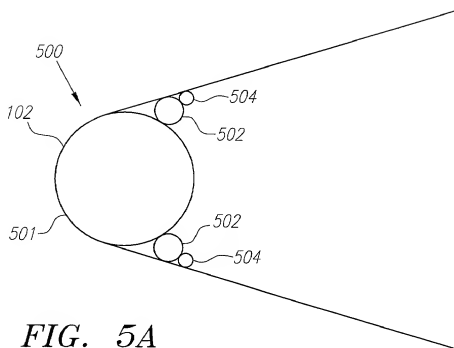


FIG. 5A

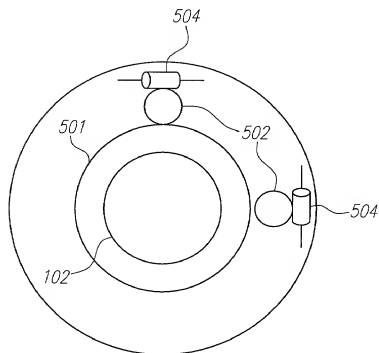


FIG. 5B

09755753.016501

L

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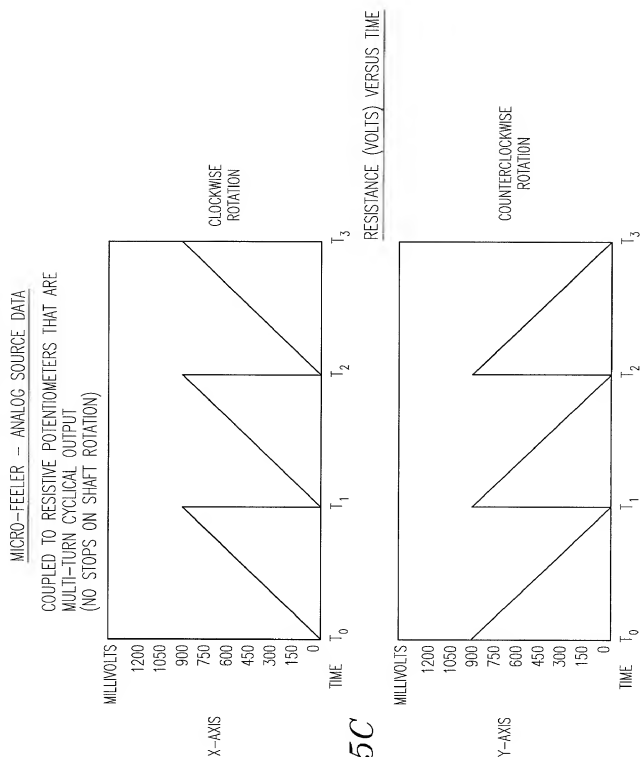


FIG. 5C

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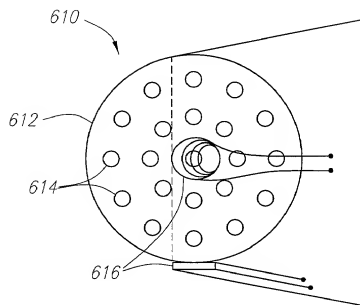


FIG. 6A

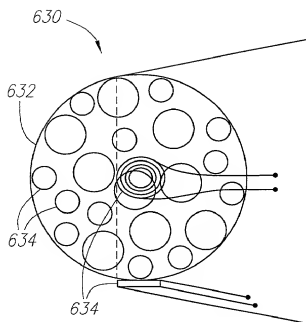


FIG. 6B

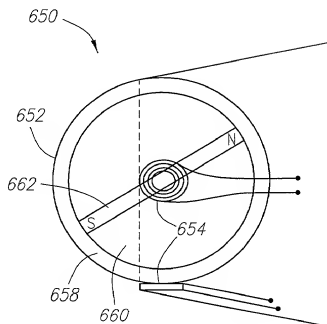


FIG. 6C

60755763.000504

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SYMMETRIC MULTI-DOMAIN — ANALOG SOURCE DATA

ROTATION OF DOMAINS ON AN AXIS PRODUCE EITHER
 INCREASING OR DECREASING CURRENTS FROM
 TIGHT TO LOOSE COIL BINDINGS.

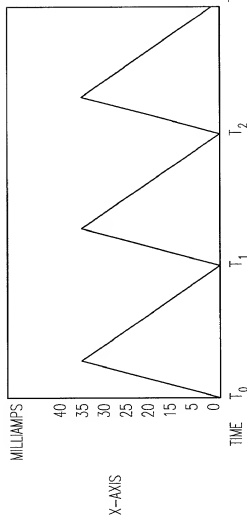
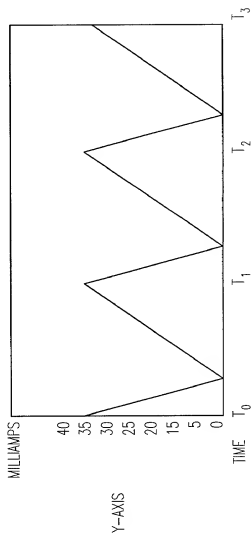


FIG. 6D

CURRENT VERSUS TIME
 OUTPUT FROM COIL
 FOR DIFFERENT MAGNET
 SWEEPS ACROSS THE COIL,



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105010* 29255460

ASYMMETRIC MULTI-DOMAIN - ANALOG SOURCE DATA

MAGNETIC POLES ARE DISTRIBUTED IN A CHARACTERIZED, NON-UNIFORM PATTERN THAT MAPS VARIATIONS OF CURRENT, SLOPE/RISE, AND TIME TO A UNIQUE VALUE.

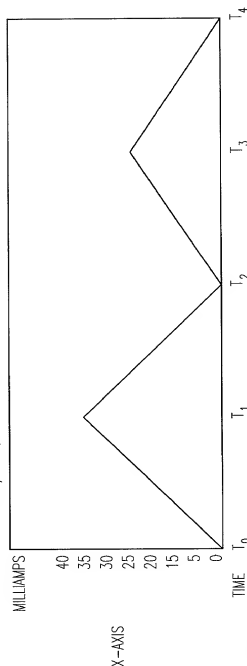
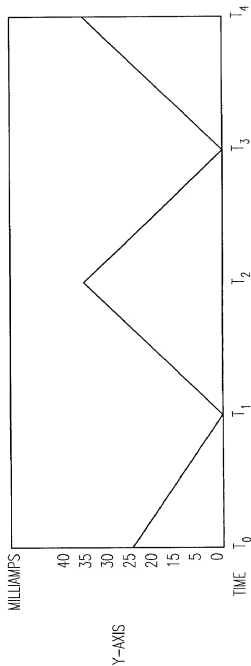


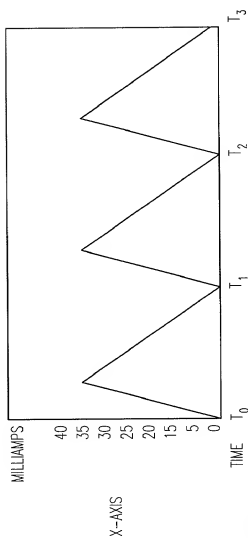
FIG. 6E



CURRENT VERSUS TIME
 OUTPUT FROM COIL
 FOR DIFFERENT MAGNET
 SWEEPS ACROSS THE COIL,
 AND AS DOMAIN SIZES AND
 MAGNETIC FIELD STRENGTH
 VARY SO DOES THE PERIOD

SYMMETRIC UNI-DOMAIN - ANALOG SOURCE DATA

ROTATION OF DOMAINS ON AN AXIS PRODUCE EITHER INCREASING OR DECREASING CURRENTS FROM TIGHT TO LOOSE COIL BINDINGS.



CURRENT VERSUS TIME
OUTPUT FROM COIL
FOR DIFFERENT MAGNET
SWEEPS ACROSS THE COIL,

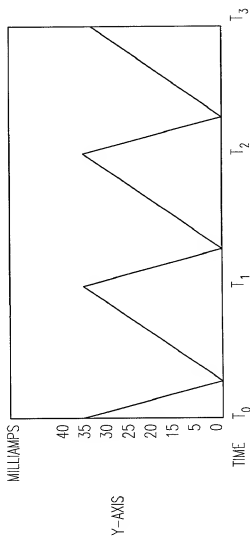


FIG. 6F

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MICRO FEELER OR INDUCTION COIL INPUT DEVICE

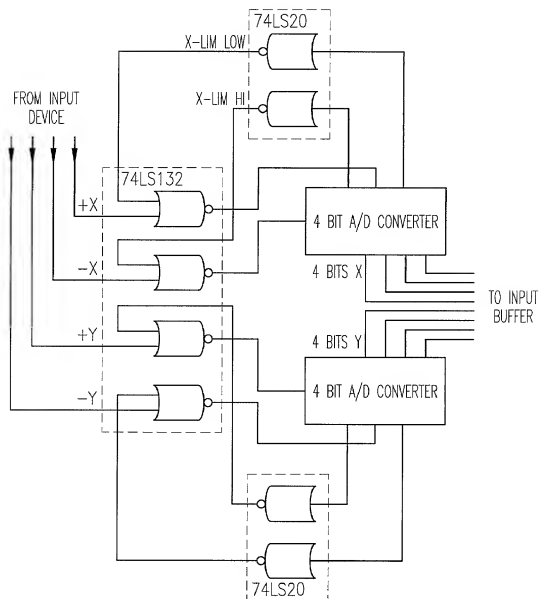


FIG. 7